19990719.ba v02_n614.bam.990719

>From ???@??? Tue Jul 20 03:13:19 1999
Message-Id: <199907192359.d6JNxs016468@sco.theporch.com>
Date: Mon, 19 Jul 1999 18:59:22 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2614

BOATANCHORS Digest 2614

Topics covered in this issue include:

1) BA Misc FS
   by don merz <71333.144@compuserve.com>
2) HIgh Voltage mica caps for sale
   by Scott Robinson <spr@earthlink.net>
3) Cleveland, TN Hamfest report
   by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
4) Need info on the Collins 18S-4
   by Allen Cutts <cacutts@mindspring.com>
5) Lysco single band mobile transmitter info. needed.
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6) Grounding - the last word, maybe.
   by "Richard Brunner" <rbrunner@gis.net>
7) Boatanchors and Telegraph Items for Swap/Sale
   by K8MFO@aol.com
8) Re: Boatanchors and Telegraph Items for Swap/Sale
   by K8MFO@aol.com
9) Flyback failure
   by James.Reid@merisel.com
10) National HRO Sr. Serial Numbers
   by David Stinson <arc5@ix.netcom.com>
11) Schematic Scans
   by Jerry Proc <jproc@idirect.com>
12) Re HRO X and R
   by philip mccoy <dgnova@erols.com>
13) POWER GROUNDS
   by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
14) BC-906-D Freq meter
   by BEN NOCK <G4BXD@compuserve.com>
15) Re: Flyback failure
   by John Shriver <jas@shiva.com>
16) Tube Boxes
   by David Stinson <arc5@ix.netcom.com>
17) Re: BC-906-D Freq meter
   by William Donzelli <aw288@osfn.org>
18) CE-100V AND OTHERS.

by John jack M Iverson <jackiv@juno.com>
19) Re: Simpler way to null carrier on 32S and KWM
by k5jv@vonl.com (Lon W. Cottingham)
20) RU-19 Coilsets FS
by "BROWN,MIKHAEL (HP-PaloAlto,ex1)" <mikhael_brown@am.exch.hp.com>
21) Re: Flyback failure
by dma@islandnet.com

Date: Sun, 18 Jul 1999 01:11:45 -0400
From: don merz <71333.144@compuserve.com>
Subject: BA Misc FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199907180114_MC2-7D59-A4A5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Boatanchor Oddities For Sale

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

Military "Indicator ID-116/APG-15 Signal Corps US Army Serial Number 4230 Order Number 2030-DAY-DE 115V 400 cycles" made by General Electric. This is a 2" CRT in a skinny black wrinkle box with CRT and controls facing one of the narrow ends. Heavily ham-modified with a transformer and control box mounted on the rear. It could be restored to original but would have many unoriginal holes in it when done. As-is. $20 PPD

Raytheon Ray-Tel TWR-2 CB rig. Designed for base or mobile, this runs on 12VDC or 115VAC. 5 channel crystal-control, switch-selectable from the front, with separate RX/TX xtals. 4 channels are installed--9, 10, 12 and 19. Tube lineup is 12AT7, 12AX7, 3-6BH6, 12X4, 12BE6, 6CX8, 12AL5 and 6AQ5. Has internal speaker with provision for connecting external unit. With original mic and mounting bracket. Covered with a layer of nicotine but should clean up to look great. Very nice early tube CB. Untested. As-is. $35

Ball Brothers Research/Miratel "Air Alert" Conelrad alarm and AM radio. This is a 5" high, 19" rackmount receiver with a built in speaker. It tunes the AM BCB 550kc-1700kc. The controls are VOLUME, TUNING, and a 3-way lever switch marked "RESET--ALARM--LISTEN." It has a relay to control an external device whenever an alarm is heard. The gray front panle is excellent though the knobs are grungy. The chasis is dirty and the terminal strip on the rear is broken. I had this running within the past year and it was working fine. But I have not plugged it in since then. As-is. $30 shipped.

Military SCR-284 set. I have an SCR-284 set with most of the accessories including the somewhat rare key and hand-crank generator with legs and seat. The BC-654 TX/RX is in beautiful shape. I have all the usual accessories including the PE-103, all cables, 2 PE-104's, antennas, antenna bag, ceramic antenna insulator and a manual photocopy. It is all original and looking for someone with time to do the electrical restoration. $400 plus shipping OBO

Sinclair PDM-35 digital multimeter. A very early LED DMM about the size of a handheld calculator. Probably more of an off-beat collector's item than a shack tool. But it works. With original pouch and test leads. $27 PPD

MAGAZINES: $8/dozen shipped to your door

73 Magazine (need $2 extra for shipping 12 of these heavy guys)
1976: 7,11,12, Holiday Special
1977: Complete
1989: 12
1991: 12 (free--no covers)

QST
1948: 3 (free--no covers)
1953: 2,5 (cover loose),6,9
1954: 5,11
1956: 6
1959: 4
1961: 4
1974: 6

CQ
1951: 4,5
1952: 7
1953: 5,11,12
1954: 2,4,5(free-cover bad)
1955: 5
1957: 7,11 (cover taped)
1962: 1
1965: 9 (free--bad cover)
1969: 4,6 (both free--bad covers)

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

Message-Id: <v03007804b3b71e72974f@[209.178.164.147]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Date: Sat, 17 Jul 1999 23:03:21 -0700

To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: HIgh Voltage mica caps for sale

<fontfamily><param>Geneva</param><bigger><bigger>Folks,

I have for sale the following high voltage (presumably mica) capacitors as a lot for $25. That's about 40 cents each. These are Sangamo and Cornell-Dublier parts in a hexagonal package about an inch and a half long and 3/8 inch thick. Connection is by bolt through unthreaded brass bushings near each end of the hexagon. Sangamos are type A2 and C-Ds are type 9.

Capacitance, uF	working voltage	quantity
0.0001	2.5 kV	2
0.00015	2.5 kV	2
0.0002	2.5 kV	2
0.00051	2.5 kV	3
0.00075	2.5 kV	3
0.001	2.5 kV	3
0.0015	2.5 kV	1
0.002	2.5 kV	6
0.0024	2.5 kV	5
0.003	2.5 kV	8
0.0036	2.5 kV	21
0.0047	2.5 kV	1
0.01	600 V	1
0.001	3 kV	2

0.002   1.2 kV   1 This one is Sprague and a smaller package.

I'd greatly prefer to sell these as a lot. They came from an estate sale of a recently deceased radio collector and TV station employee. Shipping is extra; figure about 5 pounds packed from San Francisco 94103.

Regards,

</bigger></bigger></fontfamily>

Scott Robinson

spr@earthlink.net

Junque is GOOD for you!

```
Message-Id: <199907181137.EAA29474@crow.a001.sprintmail.com>
Subject: Cleveland, TN Hamfest report
Date: Sun, 18 Jul 1999 07:37:47 -0400
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
```

Well, spent part of Saturday morning at the Cleveland, TN hamfest. It is a small one, but had some interesting boatanchor gear, especially if you like mil stuff as I do. It was my first time at this hamfest (just moved back to Tennessee after 18 years).

I saw:

HRO-7 w/PS and four coils
URR-35
ARR-15 (went home with me)
ARC-44 w/mount, control box and cables
ARC-54 w/mount, control box and cables (went home with me)
TV-7 as well as a couple of other tube testors.

BC-211
A fellow has some 838 tubes inside (just missed getting these)
A modified tuner from some sort of mil gear (went home with me)
Quite a few D-104 mikes
There were two folks with some tubes (not much)

Some nice Heath, Johnson, and Hallicrafters manuals (a few went home with me)

73

Joseph W Pinner +
Harriman, TN
KC5IJD / NNN0PHR
EMail: kc5ijd@sprintmail.com

Message-Id: <199907181215.IAA02484@smtp4.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 18 Jul 1999 08:11:45 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Allen Cutts <cacutts@mindspring.com>
Subject: Need info on the Collins 18S-4

All,

I'm looking for any info on a Collins 18S-4 that I have received.

Thanks in advance,

Allen Cutts
N4OZI
cacutts@mindspring.com

From: W4UOC@aol.com
Message-ID: <cf0b4315.24c33a32@aol.com>
Date: Sun, 18 Jul 1999 10:09:54 EDT
Subject: Lysco single band mobile transmitter info. needed.
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Does anyone have a schematic or manual for the Lysco single band mobile transmitters? I have received two of the 10 meter versions and am looking for some documentation for either of them. One is the 129 B model which uses

3 6V6 tubes.

I suspect that require 6 vdc and about 300 vdc. It appears that the screen voltage is taken care of internally with a dropping resistor network.

If you even know the pinouts for the transmitter it would be helpful. Other wise I will just have to trace it out myself which would not be much effort either.

If you have a schematic or manual I could accept at scanned bit mapped or jpg file or a fax at (770) 730-8137

Thanks.

Tom Koch - W4UOC
8170 Habersham Waters Road
Dunwoody, GA 30350

Message-ID: <003b01bed13b$a5d61920$782029d8@blah>
From: "Richard Brunner" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Grounding - the last word, maybe.
Date: Sun, 18 Jul 1999 12:35:27 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lest anyone is still going to use a separate isolated remote ground, let me illustrate what can happen:
Let us assume your building ground resistance is one Ohm, which is a very good ground indeed. Then, your building is struck by lightning. A lightning discharge is typically 8,000 to 20,000 Amps, and there is occasionally a big one of 150,000 to 200,000 Amps. Your building is struck by a 20,000 Amp discharge, and momentarily your building, ground system, and power system is 20,000 volts above remote ground. (Ohms Law: 20,000 amps times 1 Ohm) Since everything is tied together there is no internal voltage difference, and there is no damage to your electronics or you. Except for the big bang, you are not aware of anything special happening. Now, if you have obstinately installed your isolated remote ground, there is a 20,000 volt potential difference between your equipment and remote ground, and your electronics is toast. And, if you are touching the wrong places you might be too! Similarly, if there is a strike to the vicinity of your remote ground, it may project thousands of volts into your electronics, making more toast. This is not hypothetical - it has happened!

Richard Brunner, AA1P, rbrunner@gis.net

From: K8MFO@aol.com
Message-ID: <16c962dd.24c37e51@aol.com>
Date: Sun, 18 Jul 1999 15:00:33 EDT
Subject: Boatanchors and Telegraph Items for Swap/Sale
To: Old Tube Radios <boatanchors@theporch.com>
CC: baswaplist@foothill.net
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have a number of very nice items available. While my first preference is to trade for telegraph items that I am interested in (various bugs, McElroy straight keys, perhaps other items), I will sell the items outright if a trade does not materialize.

Except as noted, these items work fine, and are in high quality condition. They look very nice in my ham shack, and I think you would be proud to have them in yours.

My prices INCLUDE SHIPPING and INSURANCE. I do a quality job of packing items like this, using bubble wrap, good boxes, and other packing materials. The CONAR transmitter is to be shipped UPS. It is your choice on the other items. If you like, I can send a digital picture (jpg) to you of any of these items. Please ask me questions if you have any. I want a buyer to know exactly what he/she is getting, and not have any surprises whatseoever.

****

CONAR Model 400 transmitter. Crystal controlled CW transmitter for 80, 40, and 15 meters. Offered by the National Radio Institute. I have not fired this rig up. It is in good overall physical condition. Have photocopy of manual. $80

****

TWO EICO Model 717 Electronic Keyers. The physical and operating condition of each of these units is 9+ by anybody's rating scale. All lettering is clear and complete, the front panels are great, as are the cabinets. Silver colored front panel, and dark blue cabinets. I have fired up both of these keyers within the last hour, and they work just like they are supposed to. They have volume and tone controls for the sidetone, 4 speed ranges, a tune position, and 2 visual indicators on the front panel. These keyers are nice enough that I could not choose between them, physically or operationally. I have one original Operating Manual and one Original Assembly Manual. Keyer with original manuals - $80. Keyer with high quality manual copies - $75.

****

THREE Vibroplex Champion Model bugs.   All of these bugs have all original parts, look good, and work just fine.   The Champion is one of the easiest of the Vibroplex keys to use, as it can be slowed down to a speed that beginners can handle.

#133079 c. 1944, black base, has the steel nameplate that Vibroplex used during WWII, and the gold paint tends to peel from the nameplate.   A collector would probably never redo the nameplate, as it adds to the identity of the key. This key is in very nice condition.

#153349 c. 1947, black base, again very nice condition.   It would be tough to find one from this period that is any nicer

#246384 c. 1966, gray base, nice condition, with minor nicks on base. Looks very sharp.   As with the other two, operates just as it is supposed to.   A sharp addition to any ham shack

These bugs are $85 each.   Your choice as to which particular model

****

Vibroplex "VibroKeyer" single lever keyer paddle. #224910, c. 1962.   Beige colored base, red finger pieces, plastic "jewel" on top of frame.   A couple of minor nicks on edge of base.   Sharp looking key. $75

****

Telegraph Apparatus Company Model 510 "hole in the wall" bug.   T.R. McElroy, the "World's Champion Telegrapher", was a partner in this company in the 1940s. This is a heavy bug, on a steel base, with a nameplate identifying the company. There is some paint missing from the base, which could be easily repainted if you desire.   Or you could leave it as it is, enjoy it on the air, and speculate about its history. $80

****

Again, I will give first preference to those who have telegraph items to trade.   All e mail will be saved and responded to.   I want to give a good sampling of the list members an opportunity to review this listing,   so offers from buyers will be set aside until no trades materialize.

As a side note, I have a number of volumes of John F. Ryder's "Perpetual Troubleshooters Manuals".   These are massive bound volumes that offer schematics and troubleshooting charts for much of the electronic equipment of their published era.   The volumes that I have run from the late 1930s to 1947.   They are heavy, and I am open to questions and/or trade offers for them

Please reply directly by e mail to me.

Don Karvonen   K8MFO   k8mfo@aol.com

From: K8MFO@aol.com
Message-ID: <6c41dbf4.24c38967@aol.com>
Date: Sun, 18 Jul 1999 15:47:51 EDT
Subject: Re: Boatanchors and Telegraph Items for Swap/Sale
To: Old Tube Radios <boatanchors@theporch.com>
CC: baswaplist@foothill.net
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A couple of additions to my long posting.

Shipping choice is either UPS or Postal Priority Mail.   They both work out fine for me.

Also, I am always open to suggestions or offers after trade and asking price have been exhausted.

73

Don K8MFO

From: James.Reid@merisel.com
Mime-Version: 1.0
Date: Mon, 19 Jul 1999 07:54:09 -0700
Message-ID: <00296DCB.C22034@merisel.com>
Subject: Flyback failure
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Greetings all,

I am in the process of restoring a '53 RCA television that I picked up at an antique mall a number of years ago. I finally located a parts set that contained the missing goodies to fix my set. Apparently the original flyback died a horrible death by the look of the charred remains in the HV cage. While I am not a TV expert, it seems a lot of the older sets that I have examined, the flybacks are always gooey and drippy with wax all over the place. The RCA will be a show piece and not a set that's gonna see a lot of regular usage, but I am concerned about flyback life. Would it be to my benefit to hide a small fan inside the cage to help keep the temps down? Is excess heat the common failure mode for these devices? Any advice is greatly appreciated.

-Jim N6SVS
James.Reid@merisel.com

Message-ID: <37934847.EE1A046@ix.netcom.com>
Date: Mon, 19 Jul 1999 10:46:15 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: National HRO Sr. Serial Numbers
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have two HRO Sr. radios.
The 2-volt fil. radio is serial number R115.
The 6-volt fil. radio is serial number X6.

Can anyone tell me the significance of the "R" and the "X"?

TNX ES 73 Dave AB5S

Message-ID: <379349F6.711AE92@idirect.com>
Date: Mon, 19 Jul 1999 11:53:27 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Schematic Scans
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

Recently, I scanned two schematics for listmembers:

SCR274 receiver
Knight Ranger II AC/DC receiver

If anyone else needs these, please send me E-mail.

--

Regards,

Jerry Proc VE3FAB   jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Historic Naval Ship, Toronto Ontario

Message-ID: <3793535A.A4931B68@erols.com>
Date: Mon, 19 Jul 1999 12:33:30 -0400
From: philip mccoy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re HRO X and R
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Going from memory which is not to good:

HROs were made in batches. I think about 250 to a batch. The letter which comes first is the batch number.

>From AWA vol 4

R August 1936 to Feb 1937
X October 1937 to April 1938

Philip McCoy dgnova@erols.com

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Mon, 19 Jul 1999 12:56:42 -0400 (EDT)
Subject: POWER GROUNDS
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9907191256.aa01238@pcusa01.ecunet.org>

To: boatanchors@theporch.com

The isolated ground system is most useful for places where sensitive instrumentation is used. Also in recording studios & not un-useful in home audiophile systems.   Can quite useful in keeping power line noise out of sensitive electronics. When dealing audio uV and mV, it can make a difference.

Gary Gitzen pointed out that a special outlet must be used which keeps the safety ground insulated from the box. Such outlets most often orange in color, see 'em in hospitals.

-John Sehring (Sun, Jul 18, 1999 Custer SD USA) UCC WB0EQ

Date: Mon, 19 Jul 1999 13:50:41 -0400
From: BEN NOCK <G4BXD@compuserve.com>
Subject: BC-906-D Freq meter
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199907191350_MC2-7D89-7CBD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Does anyone know for what use the BC-906 frequency meter was =

designed, or which communication set it was used with ? =

and if anyone has a handbook for this =

item I would welcome the opportunity of a photo copy.

many thanks. Ben G4BXD.

mail to :   G4BXD@compuserve.com
web page: http//ourworld.compuserve.com/homepages/G4BXD/

Date: Mon, 19 Jul 1999 14:12:02 -0400
Message-Id: <199907191812.OAA15172@brill.shiva.com>
From: John Shriver <jas@shiva.com>
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: Flyback failure

Well, if it was wax-impregnated, I suppose that water could get in the
wax, lower the Q, and increase the dissipation in the flyback, making
it get hot and melt. (The energy lost by a low Q coil goes into heat
in the coil.) I suspect that there's a good reason that modern
flybacks are silicone-rubber impregnated.

Perhaps also as the CRT cathode aged, people cranked the brightness,
putting more load on the HV supply. Or, the ion trap could be on
wrong, requiring higher brightness settings for normal screen

brightness. (Not to mention ion poisoning the screen, or burning up
the gun.)

I suppose that lots of corona (filthy CRT) could draw additional
power, again loading the HV supply.

If this set is old enough to have more filtering capacitance in the HV
supply than the CRT, that capacitor could be leaky.

I don't know if any of the failure modes of the HV rectifier can
torture the flyback? Or failure modes of the horizontal sweep
circuit?

Message-ID: <37936E4F.E2F163A@ix.netcom.com>
Date: Mon, 19 Jul 1999 13:28:31 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tube Boxes
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there another place to buy tube boxes besides AES?

Date: Mon, 19 Jul 1999 16:26:40 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-906-D Freq meter
Message-ID: <Pine.SUN.3.91-FP.990719162142.8534A-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Does anyone know for what use the BC-906 frequency meter was
> designed, or which communication set it was used with ?

The BC-906 was more or less the standard frequency meter used to tune up
Air Corps IFF sets (Mk III). It was part of lots of different IE- sets.

William Donzelli
aw288@osfn.org

To: Old Tube Radios <boatanchors@theporch.com>

Cc: K9gdt@STARNETUSA.net
Date: Sun, 18 Jul 1999 11:40:09 -0500
Subject: CE-100V AND OTHERS.
Message-ID: <19990718.131118.-301547.3.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: John jack M Iverson <jackiv@juno.com>

I found a vfo from what i believe, a 100v. It is with 2 dial scales and the clear plastic thing that is in there some where. Not being auction minded but a real old tightwad, I would like the best offer over $40 plus shipping or a trade of some thing interesting (to me of course).
AND - there is still the 100V complete with all parts and tubes, and the 600L with a
spare 813, 100V $125.00, the 600L $345.00, if I quoted different prices in the past, those will be ok.

jack
Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

____
Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: http://dl.www.juno.com/dynoget/tagj.

Message-ID: <005101bed23d$7bd75460$4c0cdfd0@kingwoodcable.com>
From: k5jv@vonl.com (Lon W. Cottingham)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Simpler way to null carrier on 32S and KWM
Date: Mon, 19 Jul 1999 18:21:51 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings to all,

There are many ways of successfully nulling out the carrier of a SSB transmitter. Certainly the ways mentioned in this thread are good, time tried ways of doing the job. But, do not overlook the ability of the human ear to detect a very, very deep null. I found many years that if I simply listened to the carrier on a receiver, I could lower the null many, many dB lower than I could ever accomplish using the best scope, or the best RF volt meter available to do the job. Try it. Balance the carrier as best you can using what ever method you have handy. Then couple a receiver to the transmitter. All this usually requires is to turn a receiver on somewhere in the same room. Be sure to use headphones for this operation. On the older Collins rigs you will definitely be able to hear the suppressed carrier. On later units, you may have already, accidentally, nulled it down to such a degree that you might have to use a patch cord for a antenna on the receiver and place it close to the transmitter. At any rate, I think you will find that this method will let you lower the carrier many dB. I still find that the minimum reading (I guess the differential) of my 58 year old ears, damage be years of flying reciprocating engines, to be much lower than anything I have on the bench. Have fun.

73 de Lon Cottingham, K5JV

Message-ID: <57480C70A425D311B49F00A0C99E501DA77E46@xpa01.boi.hp.com>
From: "BROWN,MIKHAEL (HP-PaloAlto,ex1)" <mikhael_brown@am.exch.hp.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RU-19 Coilsets FS
Date: Mon, 19 Jul 1999 16:30:35 -0600
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

I have two coilsets for the RU-19 receiver. They are both dual range. The low range is Q and the high range is M. They are in very condition with the original holder. The contract date is April 21, 1941. I am asking $7.00 each plus shipping from 95139.

Mike

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  Mikhael Brown   <mikhael_brown@hp.com>

Message-Id: <m116NJH-0006d5C@mail.islandnet.com>
Date: Mon, 19 Jul 1999 16:57:04 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: dma@islandnet.com
Subject: Re: Flyback failure
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:54 AM 7/19/99 -0700, James.Reid@merisel.com wrote:
>Greetings all,
> I am in the process of restoring a '53 RCA television that I picked up
at an

>antique mall a number of years ago. I finally located a parts set that
>contained the missing goodies to fix my set. Apparently the original flyback
>died a horrible death by the look of the charred remains in the HV cage. While
>I am not a TV expert, it seems a lot of the older sets that I have examined, the
>flybacks are always gooey and drippy with wax all over the place. The RCA will
>be a show piece and not a set that's gonna see a lot of regular usage, but I am
>concerned about flyback life. Would it be to my benefit to hide a small fan
>inside the cage to help keep the temps down? Is excess heat the common failure
>mode for these devices? Any advice is greatly appreciated.

Hi Jim ...

I supported myself thru college partly by repairing 1950s era TVs. The bread and butter of the shop was replacement of tuners, flybacks, sweep tubes and the CRTs themselves. Some of the 50s sets were very well made - although not even close to mil std! But this was the age of the great cheapening down, and little attention was given - it seemed - to design aspects that led to rapid failure. People wanted "portable" sets, "modern" cabinets and lower cost. This led to a lot of cramped cabinets that resulted in high operating temperatures. In my opinion, the combination of extreme internal heat - and sometimes marginal design - led to the failure high failure rate of some components. This was also the time when screens were getting larger, and I expect existing designs were being pushed to provide the acccelerating and sweep voltages. Some of what were then the most common sweep tubes were really not up to what was done to them.

I recall pulling many a chassis and finding puddles of melted wax from flybacks that were wax impregnated, and from wax paper caps.

Very little thought seemed to have been given to heat dissipation. Add to that the dust attracted by the high accelerating voltages, and what dissipation there was disappeared.

In retrospect, we probably could have made a lot of money by selling quiet muffin fans (except I don't think they existed at this point) and providing an expensive guarantee to the buyer! I sometimes see one of the most infamous of the high-heat sets - the otherwise innovative Philco "space age" TV - the one with the pix tube mounted on top in a pod. The metal cabinet was flat and had little air circulation. It operated so hot you could fry eggs. They now sell for thousands as collectors items. I sure do hope people find a way to put a little fan in somewhere to protect their investment!

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Cheers

Jan Skirrow, VE7DJX
Duncan, BC, Canada

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                "So many radios, so little time"

   http://www.islandnet.com/~dma/Boatanchors/

Information, Parts, Pictures, Articles: The R-390A
and other classic gear.

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